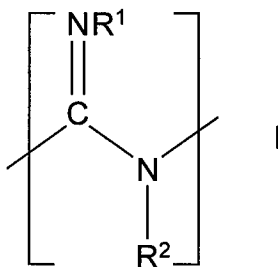


## CLAIMS

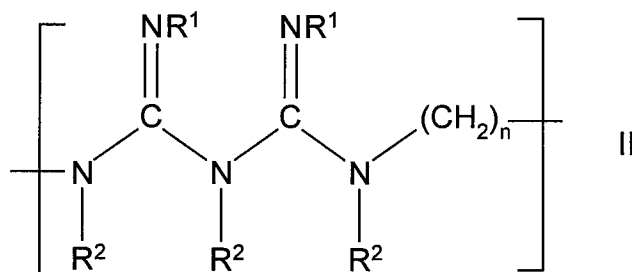
The following is a copy of Applicant's claims that identifies language being added with underlining ("\_\_\_") and language being deleted with strikethrough ("—"), as is applicable:

1. (Previously Presented) A print medium, comprising:  
a substrate having a fibrous component, wherein a cationic guanidine polymer compound or salt thereof and a metallic salt are each disposed within the fibrous component of the substrate, wherein the metallic salt is sodium chloride.
- 2-4. (Canceled)
5. (Original) The print medium of claim 1, wherein the substrate includes the metallic salt in an amount of about 0.001 to 3 grams per meter squared (GSM).
6. (Original) The print medium of claim 1, wherein the substrate includes the cationic guanidine polymer compound or salt thereof in an amount of about 0.1 to 3 grams per meter squared (GSM).
7. (Original) The print medium of claim 1, wherein the cationic guanidine polymer compound or salt thereof includes at least two monomer units described by structural formula (I),



wherein  $\text{R}^1$  is selected from hydrogen and a lower alkyl and  $\text{R}^2$  is selected from hydrogen, an alkyl, an alkoxy, and a hydroxyl- substituted alkoxy.

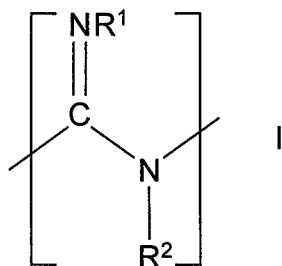
8. (Original) The print medium of claim 7, wherein the cationic guanidine polymer compound or salt thereof includes at least two monomer units described by structural formula (I), wherein  $R^1$  is hydrogen and  $R^2$  is hydrogen.
9. (Original) The print medium of claim 1, wherein the cationic guanidine polymer compound or salt thereof includes at least two monomer units described by structural formula (II),



wherein "n" is an integer in the range of 1 to 10,  $R^1$  is selected from hydrogen and a lower alkyl, and  $R^2$  is selected from hydrogen, an alkyl, an alkoxy, and a hydroxyl-substituted alkoxy.

10. (Original) The print medium of claim 9, wherein the cationic guanidine polymer compound or salt thereof includes at least two monomer units described by structural formula (II), wherein "n" is 6,  $R^1$  is hydrogen, and  $R^2$  is hydrogen.
11. (Original) The print medium of claim 1, wherein the substrate is selected from printing paper, writing paper, drawing paper, and photobase paper.

12. (Currently Amended) A method of forming print media, comprising:  
 providing a fibrous component including a plurality of fibers;  
 providing a cationic guanidine polymer compound or salt thereof and a metallic salt, wherein the substrate is selected from printing paper, writing paper, drawing paper, and photobase paper, wherein the cationic guanidine polymer compound or salt thereof includes at least two monomer units described by structural formula (I),



wherein R<sup>1</sup> is selected from hydrogen and a lower alkyl and R<sup>2</sup> is selected from hydrogen, an alkyl, an alkoxy, and a hydroxyl- substituted alkoxy;

introducing the cationic guanidine polymer compound or salt thereof and the metallic salt to the fibrous component;

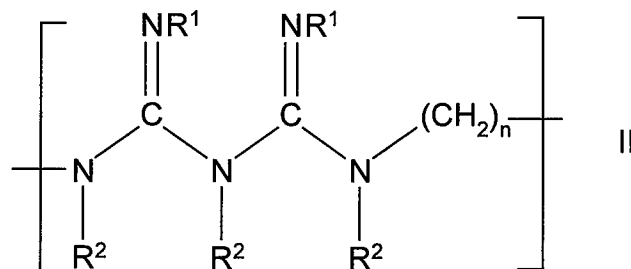
mixing the cationic guanidine polymer compound or salt thereof and the metallic salt with the fibrous component, wherein introduction of the cationic polymer occurs prior to the surface sizing process, wherein the cationic guanidine polymer compound or salt thereof and the metallic salt are disposed within the fibers of the fibrous component, wherein the metallic salt is selected from sodium chloride, calcium nitrate, and magnesium chloride; and

forming a substrate including the cationic guanidine polymer compound or salt thereof and the metallic salt disposed with the fibers of the fibrous component.

13. (Original) The method of claim 12, wherein introduction of both the cationic polymer and the metallic salt occurs in the surface sizing system.

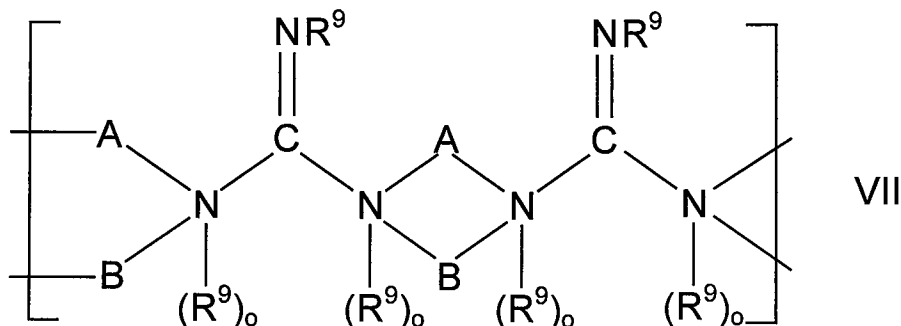
14-16. (Canceled)

17. (Original) The method of claim 12, wherein the cationic guanidine polymer compound or salt thereof includes at least two monomer units described by structural formula (II),



wherein “n” is an integer in the range of 1 to 10, R<sup>1</sup> is selected from hydrogen and a lower alkyl, and R<sup>2</sup> is selected from hydrogen, an alkyl, an alkoxy, and a hydroxyl-substituted alkoxy.

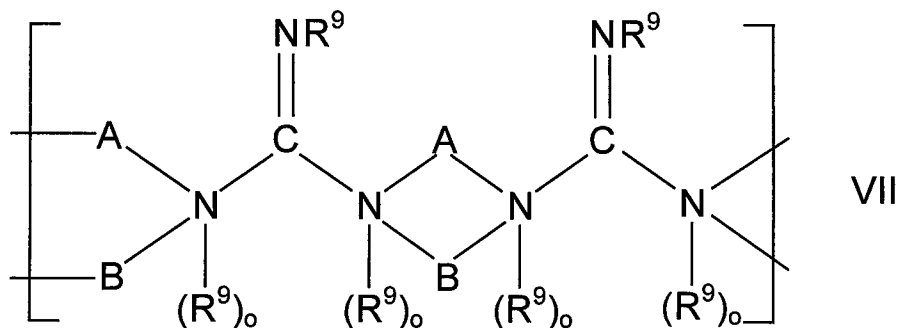
18. (Original) The method of claim 12, wherein the substrate is selected from printing paper, writing paper, drawing paper, and photobase paper.
19. (Original) A print medium produced by the method of claim 12.
20. (Original) The print medium of claim 19, wherein the substrate is selected from printing paper, writing paper, drawing paper, and photobase paper.
21. (Previously Presented) The print medium of claim 1, wherein the cationic guanidine polymer compound or salt thereof includes at least one unit described by structural formula (VII),



wherein A and B each selected from a hydrocarbyl group and a hydrocarbyl group including a heteroatom; each  $R^9$  is independently hydrogen, a substituted alkyl, or a substituted alkoxy; wherein the substituents are selected from a hydroxy,  $C_{1-4}$ -alkoxy, halogen, nitro, amino, substituted amino, and acid groups; subscript "o" is 0 or 1.

22-24. (Canceled)

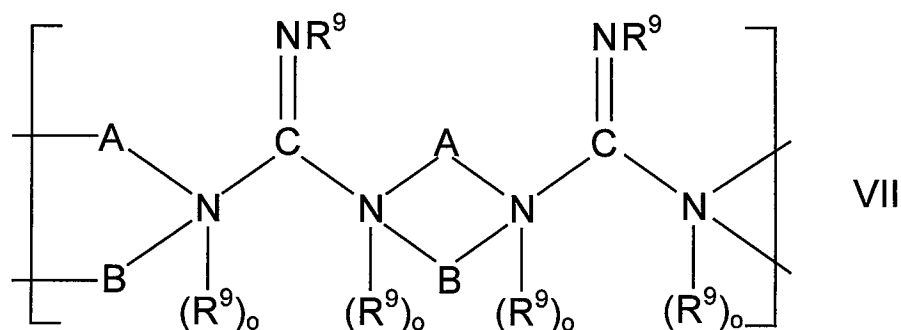
25. (Previously Presented) The method of claim 12, wherein the cationic guanidine polymer compound or salt thereof includes at least one unit described by structural formula (VII),



wherein A and B each selected from a hydrocarbyl group and a hydrocarbyl group including a heteroatom; each  $R^9$  is independently hydrogen, a substituted alkyl, or a substituted alkoxy; wherein the substituents are selected from a hydroxy,  $C_{1-4}$ -alkoxy, halogen, nitro, amino, substituted amino, and acid groups; subscript "o" is 0 or 1.

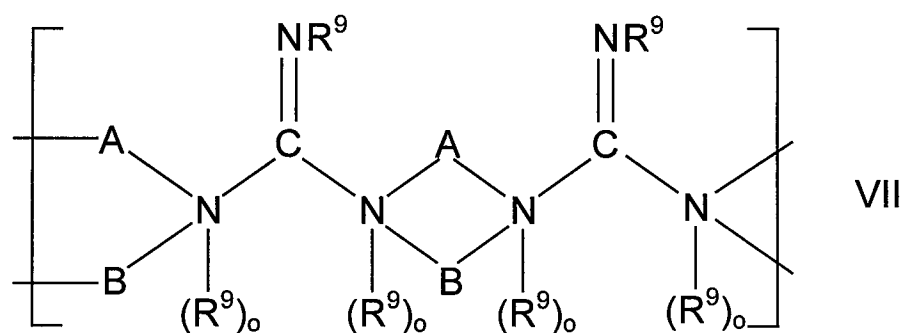
26. (Previously Presented) The method of claim 12, wherein the metallic salt is sodium chloride.
27. (Previously Presented) The method of claim 12, wherein the metallic salt is calcium nitrate.

28. (Previously Presented) The method of claim 12, wherein the metallic salt is magnesium chloride.
29. (Previously Presented) A print medium, comprising:  
 a substrate having a fibrous component, wherein a cationic guanidine polymer compound or salt thereof and a metallic salt are each disposed within the fibrous component of the substrate, wherein the metallic salt is selected from sodium chloride, aluminum chloride, calcium chloride, calcium nitrate, and magnesium chloride, wherein the cationic guanidine polymer compound or salt thereof includes at least one unit described by structural formula (VII),



- wherein A and B each selected from a hydrocarbyl group and a hydrocarbyl group including a heteroatom; each  $R^9$  is independently hydrogen, a substituted alkyl, or a substituted alkoxy; wherein the substituents are selected from a hydroxy,  $C_{1-4}$ -alkoxy, halogen, nitro, amino, substituted amino, and acid groups; subscript "o" is 0 or 1.
30. (Previously Presented) The print medium of claim 29, wherein the substrate includes the metallic salt in an amount of about 0.001 to 3 grams per meter squared (GSM).
31. (Previously Presented) The print medium of claim 29, wherein the substrate includes the cationic guanidine polymer compound or salt thereof in an amount of about 0.1 to 3 grams per meter squared (GSM).

32. (Previously Presented) The print medium of claim 29, wherein the substrate is selected from printing paper, writing paper, drawing paper, and photobase paper.
33. (Previously Presented) The print medium of claim 29, wherein the metallic salt is sodium chloride.
34. (Previously Presented) The print medium of claim 29, wherein the metallic salt is calcium nitrate.
35. (Previously Presented) The print medium of claim 29, wherein the metallic salt is magnesium chloride.
36. (Previously Presented) A method of forming print media, comprising:  
 providing a fibrous component including a plurality of fibers;  
 providing a cationic guanidine polymer compound or salt thereof and a metallic salt, wherein the cationic guanidine polymer compound or salt thereof includes at least one unit described by structural formula (VII),



wherein A and B each selected from a hydrocarbyl group and a hydrocarbyl group including a heteroatom; each  $R^9$  is independently hydrogen, a substituted alkyl, or a substituted alkoxy; wherein the substituents are selected from a hydroxy,  $C_{1-4}$ -alkoxy, halogen, nitro, amino, substituted amino, and acid groups; subscript "o" is 0 or 1;

introducing the cationic guanidine polymer compound or salt thereof and the metallic salt to the fibrous component;

mixing the cationic guanidine polymer compound or salt thereof and the metallic salt with the fibrous component, wherein the cationic guanidine polymer compound or salt thereof and the metallic salt are disposed within the fibers of the fibrous component, wherein the metallic salt is selected from sodium chloride, aluminum chloride, calcium chloride, calcium nitrate, and magnesium chloride; and

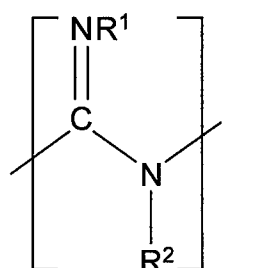
forming a substrate including the cationic guanidine polymer compound or salt thereof and the metallic salt disposed with the fibers of the fibrous component.

37. (Previously Presented) The method of claim 36, wherein introduction of both the cationic polymer and the metallic salt occurs in the surface sizing system.
38. (Previously Presented) The method of claim 36, wherein introduction of the cationic polymer occurs prior to the surface sizing process.
39. (Previously Presented) The method of claim 36, wherein the substrate is selected from printing paper, writing paper, drawing paper, and photobase paper.
40. (Previously Presented) The method of claim 36, wherein the metallic salt is sodium chloride.
41. (Previously Presented) The method of claim 36, wherein the metallic salt is calcium nitrate.
42. (Previously Presented) The method of claim 36, wherein the metallic salt is magnesium chloride.



43. (Currently Amended) A print medium, comprising:

a substrate having a fibrous component, wherein a cationic guanidine polymer compound or salt thereof and a metallic salt are each disposed within the fibrous component of the substrate, wherein the metallic salt is selected from sodium chloride, calcium nitrate, and magnesium chloride, wherein the substrate is selected from printing paper, writing paper, drawing paper, and photobase paper, wherein the cationic guanidine polymer compound or salt thereof includes at least two monomer units described by structural formula (I),

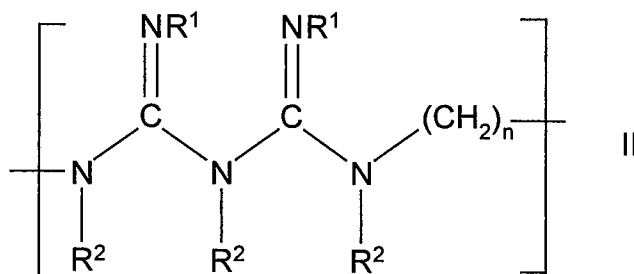


wherein R<sup>1</sup> is selected from hydrogen and a lower alkyl and R<sup>2</sup> is selected from hydrogen, an alkyl, an alkoxy, and a hydroxyl- substituted alkoxy.

44. (Canceled)

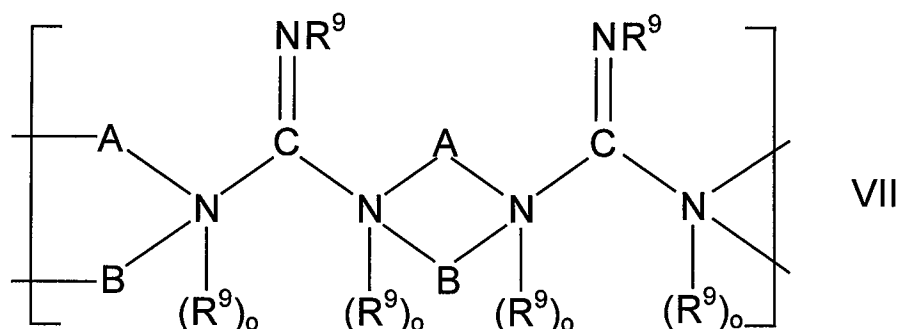
45. (Currently Amended) The print medium of claim 44 43, wherein the cationic guanidine polymer compound or salt thereof includes at least two monomer units described by structural formula (I), wherein R<sup>1</sup> is hydrogen and R<sup>2</sup> is hydrogen.

46. (Previously Presented) The print medium of claim 43, wherein the cationic guanidine polymer compound or salt thereof includes at least two monomer units described by structural formula (II),



wherein “n” is an integer in the range of 1 to 10, R<sup>1</sup> is selected from hydrogen and a lower alkyl, and R<sup>2</sup> is selected from hydrogen, an alkyl, an alkoxy, and a hydroxyl-substituted alkoxy.

47. (Previously Presented) The print medium of claim 43, wherein the cationic guanidine polymer compound or salt thereof includes at least one unit described by structural formula (VII),



wherein A and B each selected from a hydrocarbyl group and a hydrocarbyl group including a heteroatom; each R<sup>9</sup> is independently hydrogen, a substituted alkyl, or a substituted alkoxy; wherein the substituents are selected from a hydroxy, C<sub>1-4</sub>-alkoxy, halogen, nitro, amino, substituted amino, and acid groups; subscript “o” is 0 or 1.

48. (Previously Presented) A method of forming print media, comprising:
- providing a fibrous component including a plurality of fibers;
  - providing a cationic guanidine polymer compound or salt thereof and a metallic salt, wherein the metallic salt is sodium chloride;
  - introducing the cationic guanidine polymer compound or salt thereof and the metallic salt to the fibrous component;
  - mixing the cationic guanidine polymer compound or salt thereof and the metallic salt with the fibrous component, wherein the cationic guanidine polymer compound or salt thereof and the metallic salt are disposed within the fibers of the fibrous component; and

forming a substrate including the cationic guanidine polymer compound or salt thereof and the metallic salt disposed with the fibers of the fibrous component.